

## BARNES &amp; THORNBURG

600 One Summit Square  
Fort Wayne, Indiana 46802  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group 335 (Our Case) 3220-18158  
Applicant: Richard B. Borgens et al.  
Invention: METHOD AND APPARATUS FOR REGENERATING NERVES  
Serial No: 258,142  
Filed: October 14, 1988  
Examiner: G. Manuel

Certificate Under 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231

on October 20, 1989

Nolan A. Palle  
Attorney 31160

Dated: 10/20/89

# 6/A  
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11/6/89  
fee OK

AMENDMENT

Honorable Commissioner of  
Patents and Trademarks  
Washington, D.C. 20231

Sir:

In response to the Official Action mailed April 21, 1989,  
please amend the above-identified application as follows:

IN THE CLAIMS:

Please cancel claims 2, 3, 5, 8, 11, 14 and 18-20, without  
prejudice.

Please amend claims 1, 4, 6, 7, 9, 12, 13 and 15-17 as  
follows:

1. ~~Amended~~ A method for stimulating nerves in the central nervous system of a mammal to regenerate within the central nervous system comprising the step of applying an oscillating electrical field to the spinal cord wherein the electrical field's polarity reversal period is less than about sixty minutes which is less than a die back period of anodally facing axons in the central nervous system and more than about thirty seconds which is long enough to stimulate growth of cathodally facing axons in the central nervous system.

E. Cuello  
11-8-89

CLAIMS  
2-5

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